

FIG.1



F13.2



Fis 3

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
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> start onf. pol AAATTGGATGAGAGACCTTGTTGGTGCAAATGGSAACCCAGATTGTAGGACTATTTGAAAGCATTGGGACCACCACGAGAATGATGATGACACCATGTCAGGGAGTGGG 1210 1220 1220 1230 1230 1250 1250 1250 1270 1270 TO TO SIVERY SISTIVE CONTROL CONTROL OF SIVERY SIVE SIVE SIVER SIVE SIVE SIVER SIVERY ttgtgggamgnagggga(atagggagant tgaggggggggtaggaaaaaugggtgttguaaa SGAGGAGATUTAGAGTÄTTAGAATUAGTTTUGGAGGAAGAATGA TRIO 1420 TRIO 1420 ت پ ع ب ع z R £ -8-3-2 B ß Z 2

F.3.5

Fis 6

. S 2 Ł

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I T I A K S L V K H H M V V S G K A K G A F V R H M V E S P H P A I S S E V M I S S E V M I S S E V M I S S E V M I I C N F O G K L C D G F I D I T M K A L I D E V O K V T I C N F O G K L C D G F I D I T M A L I D E V O K V T I I C N F O G K C C C S C C O C C O G C C O G C C O G C C O G C O G C C O G C O G C C O G C ں **-**CIMPANIACTIGGENETANGENETANANACANANACATANANGENECTITGE ی æ * 2 I -I . 112133333 Z <u>-</u>20 ZO Ł 0 ď 1 4 P -

0 . 0 C C + 3 A V + 0 K K P + + L D L P I S D I 3 L K P + + Y S + I 3 L L
A V E M O S S R R C S N + I C Q F H R Q C + M H W S I A E P I C
L L M C S L A E I E V V I 3 S A M F I D N A K I I I V O L M O S V
I CICIGIAN CGCALITACE CARAGRACIACIAN INCORPUTATION CARAGRACIAN ACCORPANICAL ACCO ~ L > E Q C H F K T D S + 0 1 K B T 1 A 6 + 0 W R F T 1 A 6 + 0 W R F 1 1 A 6 + 0 W R F 1 1 A 6 + 0 W R F 1 D 6 A 7 W R T 1 AGAAGGAGACATAAAAACTGCTTI 3 6 5 2 8 1 1 2 8 4 I K O F I N F 4 O I N LANDARAMAN AND INTERPRETATION OF THE COLOR OF TH 3 3 7 Ì 3 š ì ---

J	SE 6	R U F E E G R E K E U H E F F E G S S K K N Y C K N Y D O CEAACLAAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
3	\$	THE OWN CLW SSRIIC OCCURATE NSICC 1, SOSLASSSRO TCOTILW WSAAALT RALERALE ON LEGE OF LOLIW WG
		THEADAIL DICTERSEAPLE OF LICIENTESS
	•	THE CCCK IPKGSIAPGOLGCIC CCCCCCITC CCCATICAT A PENNASCIC CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
	3	LNRFGITOPGAS GTERLTITOAOTIPOLIFUR RKTSKKRNWK GTOLEOND GGAS HOLD GLAKLNTFLWORIAK FRWEOTEN EOT TGGASATTIGGASTAGAGTGGGGGGGGGGGGAGTAGAGTA
		N V M II * I N G U V C S I G L I * S I G C G I * K V S * * * * * E A M * V E F K M S F I G I G I R F K M S F I G I R F K M S F I G I R * M G I R F K M S F K M S F K M
•	3	F V S E V S A S S S S S S S S S S S S S S S S S
	1	A E I E I D P F D P P P P F G G I G C A L C L F S Y H R L R D L L L I V S P L P R D P P P P P P P P P P P P P P P P P
	3	ACCEPTATION OF THE TRANSPORT OF THE TRAN
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		Start out - R

H 3 L V I P C E F A A H G * P * L R S V R V F V * O P P S I S S R G P R A S G I S L A F H H V A R E L H P F F I S S I S S L A F H H V A R E L H P F F I S C I F S C I F S C L I A A * H F I T P P F S C I F S C L I A A * H F I T P P F S C I F S C L I A A * H F I T P P F S C I F S C A C X I L * A = 7 O A S • N S L P I M I R • J () ¥ 979 R .S . P . . CCCTCCCACT ح 45.6

Fig 13 77/248

T F E S K K W S O * I L D * S P G S I O E V S L

CAACAGAGGAGGAAGGAATGGAGGCCTAGAGCCCTGGAAGCATCCAGGAAGTCAGCCTAA

5290 5300 5310 5320 5330 5340 5350

PSLFHNKSLRHLL HOEEAETATKTS
OVCFTTKALGIS.YGRKKRRORRRPF
KFVSOOKP*ASPMAGRSGDAGGAGGGGAGGGGAGGCGAGGCTCTCCTATGGCAGGAAGAGCGGAGGACGAGGACGAAGACTCCTATGGCAGGAAGAAGCGGAGACAGCGAAGACCTCC
5410 5420 5430 5440 5450 5460 5470

S T C N A T Y T N S N S S I S S S N N N S N S C V
V H V M Q P I Q I A I A A L V V A I I I A I V V A
Y M + C N L Y K + Q + Q H + + + Q + + Q + L C
ACTACATGTAATGCAACCTATACAAATAGCAATAGCAATAGTAGTAGCAATAATAATAGCAATAGTTGTGTC
5530 5540 5550 5560 5570 5580 5590

I I V N * * T N R K S R R O H Q * E * R R N I S
I I R L I D R L I E R A E D S G N E S E G E I S \(\)

* T G * L I D * * K E Q K T V A M R V K E K Y \(\)
A4TAGACAG(TTAATTGATAGACTAATAGAAAGAGAGAGACAGTGGCAATGAGAGTGAAGGAGAAATATCAGC
5650 5660 5670 5680 5690 5700 5710

G T & C L G H T C L C T H R P Q P T R S S I G P C V H N V W A T H A C V P T D P N P Q E V V L V N AGGTACATATTGTTTGGGCCACACCCACACCCACACCCACAGAAGTAGTATTGGTAAATG 5930 5940 5950

C M R I * S V Y G I K A * S H V * N * P H S V L V
A * G Y N U F M G S K P K A M C K I N P T L C * F
H E D I I S L M D Q S L K P C V K L T P L C V S L
TGCATGAGGATATAATCAGTTTATGGGATCAAAGCCTAAAGCCATGTGTAAAATTAACCCCACTGTGTTAGTT
5010 6020 6030 6040 6050 5060 5070

L I * Y Q * I M I L P A I R * J V V T P Q S L M R

O Y N T N R * M Y Y Q L Y V D K L * H L S H Y T G

U I I P I D N D T T S Y T L T S C N T S V I T Q A

ITGATATALIACCAATAGATAATGATACTACCAGCTATACGTTCACAAGTTGTAACACCTCAGTCATTACACAGGC

6250 6269 6270 6290 6290 6300 6310

PALVLAF ANVIIR R S M E O D H V O M S A

F1414

G S Q P K T A C T T C Y C K K C C F H C Q E V S L K L L V P L A I V K S V A F I A AGGAAGTCAGCTAAAAAGTGTTGCTTTCATTG 5350 5360 5370 5400

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A T K T 'S S P Q S D S S S F S I K A V S

R R R P P Q G S G T H C V S L S K Q + V

S D E D L L K A V R L I K F L Y Q S S K +

AGCGACGAAGACCTCCTCAAGGCAGTCAGACTCATCAAGTTTCTCTATCAAAGCAGTAAGT

5470 5480 5490 5500 5510 5520

S N S C V V H S N H R I * E N I K T K K

A I V V H S I V I I E Y R K I L R O R K

O * L C G P * * S * N I G K Y * O K E K

FAGCAATAGTTGTGTGGTCCATAGTAATCATAGAATATTAAGACAAAGAAA

5590 5600 5610 5620 5630 5640

R R N I S T C G D G G N G A P C S L G G E I S A L V E M G V E M G H H A P W D K E K Y Q H L W R W G W K W G T M L L G I AGGAGAAATATCAGCACTTGTGGAGATGGGGGTTGGAAATGGGGCACCATGCTCCTTGGGA 5710 5720 5730 5740 5750 5760

C G F K Q P P L Y F V H O M L K H M I Q V E G S N H H S I L C I R C * S I * Y R V H K E A T T T L F C A S D A K A Y D T E TSTGGAAGGAAGCAACCACCACTCTATTTTGTGCATGAGATGCTAAAGCATATGATACAG 5330 5840 5850 5860 5870 5880

4 Y N O M I L T C G K M T W * N R

5 I G K C D R K F * H V E K * H G R T D

V V L V N V T E N F N M M K N D M V E Q M

TAGTATTGGTAAATGTGACAGAAAATTTTAACATGTGGAAAAATGACATGGTAGAACAGA

5950 5960 5970 5980 5990 6000

T L C * F K V H * F G E C Y * Y O * * *

CACTCTGTGTTAGTTTAAAGTGCACTGATTTGGGGATTGCTACTAATACCAATAGTAGTA

6070 6090 6090 6100 6110 6120

S I S A D A * E V R C P K N M H F F I N
D Y D H K H K R * G A E R I C I F L * T
E N I S I R G K V G K E Y A F F Y K L
TCAATATCAGCACAAGCATAAGAGGTAAGGTGCAGAAGGATATGCATTTTTTTATAAAC
6170 6200 6210 6220 6230 6240

Q S L H Q P V Q R Y P L S Q F P Y I I V
S H Y T G L S K G I L * A N S H T L L C
S) V I T Q A C P K V S F E P I P I H Y C A
CAGTCATTACACAGGCCTGTCCAAAGGTATCCTTTGAGCCAATTCCCATACATTATTGTG
6310 6320 6330 5340 6350 6360

V Q M S A D Y N V H M E L G C * Y O L N

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P G W F C D S K W # | * * D V D W N R T M Y K C Q
P A G F A I L K C N N K T F N G T G P C T N V S
CCCCGGCTGGTTTTGCGATTAAAAATGTCAG.
6370 6390 6390 6400 6410 6420 6420

C C * M A V * O K K R * * L D L P I S O T M L K F
A V E W O S S R R R G S N * I C O F H R O C * N
L L N G S L A E E E V V I R S A N F T O N A K T
TUCTGTTGAATGGCAGTCTAGCAGAAGAAGAGGTAGTAATTAGATCTGCCAATTTCACAGACAATGCTAAAACC
6490 6500 6510 6520 6530 6540 6550

PL + N R + L A N + E N N L E I I K O + S L S N L F K T D S + Q I K R T I H K + N N N L + A N T L K J I A S K L R E O F G N N K I I I F K J ATGCCACTTTAAAACAATAGCAAATTAAGAAACAATTAGCAA 6730 6740 6750 6760 6770 6780 6790

GAGGGGAATTTTTCTACTGTAATTCAACACACTGTTTAATAGTACTTGGTTTTAATAGTACTTGGTTTTAATAGTACTTGGTTTTAATAGTACTTGGAGTACTTGAA.

6850 6860 6870 6880 6890 6900 6910

E * N N L * T C G R K * E K Q C M P L P S A O K L N K T I Y K H V A G S R K S N V C P S H Q R T N ° I K Q F I N M H Q E V G K A M Y A P P I S G Q I GAATAAAACAATTTATAAACATGTGGCAGGAAGTAGGAAAATGTATGCCCCTCCCATCAGCGGACAATT 6970 6980 6990 7000 7010 7020 7030

TAATAACAACAATGGGTCCGAGATCTTCAGACCTGGAGGAGGAGATATGAGGGACAATTGGAGAAGTGAATTAT

7070

71 T T M G P R S S D L E E I + G T I G E V N Y

** O O W V R D L O T W R R R Y E G O L E K + I I

N N N N S S E I F R P G G G D M R D N W R S E L

GTAATAACAACAATGGGTCCGAGATCTTCAGACCTGGAGGAGGAGATATGAGGGACAATTGGAGAAGTGAATTAT

7070

7100

7100

7150

Y R P D N Y C L V * C S S R T I C * G L L R R N S T G O T I I V H Y S A A A E D F A E G Y * G A T A O A R Q L L S G I V O Q O N N L L R A I E A O Q TACAGGCCAGACAATTATTGTCTGGTATAGTGCAGCAGCAGCAGAACAATTTGCTGAGGGGCTATTGAGGCGCAACAGC 7330 7340 7350 7360 7370 7380 7390

ESALUKOT * RINSS W G F G V A L E N S F

Fig. 16

N R T M Y K C O H S T M Y T N N A S S I N S T U L

AACAGACCATGTACAAATGTCAGCACAGTACAATGTAACACACAAC

O 6420 6430 6440 6450 6460 6470 6480

P [S Q T M L K P * * Y S * T N L * K L I V Q D O F H R Q C * N H N S T N E P [C R N * L Y K T N E P] C R N E P] C R N E P

F H L L Q * E K * E I * D K H I V T L V F Q N G
S I C Y N P K N P K Y E T S T L * H * S K M F
A F V T I G K I G N M R Q A H C N I S R A K W N
AGCATTTGTTACAATAGGAAAATAGGAAATATGAGACAAGCACATTGTAACATTAGTAGAGCAAAATGGA
B 6660 6670 6630 6690 6700 6710 6720

TATAAAACAATAATCTTTAAGCAATCCTCAGGAGGGGACCCAGAAATTGTAACGCACAGTTTTAATTGTG

6780

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PLPSADKLDVHQILGSCY*QEMV
CPSHQRTN*MFIKYYRAAINKRWW
APPISGOIRCSS<mark>NIT</mark>GLLLTRDGG
TGCCCCTCCCATCAGCGACAATTAGATATTACAGGGCTGCTATTAACAAGAGATGGTG
7020 7030 7040 7050 7060 7070 7080

PELCSLGSWEQDEALWAHGO*R*R

RSFVPWVLGSSRKHYGRTVNDADG

GALFLGFLGAAGCACCACCACCGCCACGCTCAATGACGCTGACGG

7260 7270 7290 7300 7310 7320

A G L L R R N S I C C N S O S G A S S S S R O

A E G Y * G A T A S V A T H S L G H O A A P G K
L R A I E A O O H L L O L T V W G I K O L O A R

TCTGAGGGCTATTGAGGCGCAACAGCATCTGTTGCAACTCACAGTCTGGGGCATCAAGCAGCTCCAGGCAA

T380 7390 7400 7410 7420 7430 7440

G V A L E N S F A P L L C L G M L V G V I N L

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W N R F G I T * P G W S G T E K L T I T Q A * Y
G T D L E * H D L D G V G D R N * D L H K L N T
E D I W N N N N N N N N D R E I N N Y T S L I H
TGGAACAGATTTGGAATAACATGACCTGGATGGAGTGGGACAGAGAAATTAACAATTACACAAGCTTAATACA
7570 7580 7590 7600 7610 7620 7630

N Y N N + I N G O V C S I G L T * 3 I G C G I *
I I G I R * M G K F V E L V * H N K L A V V Y K
L L E L D K N A S L N N W F N I T N W L W Y I K
AATTATTGGAATTAGATAAAATGGGCAAGTTTGTGGAATTGGTTTAACATAACAAATTGGCTGTGGTATATAAA
7690 7700 7710 7720 7730 7740 7750

L L Y F L * * I E L G R D I H H Y R F R P T S Q C C T F Y S E * S * A G I F T I I V S D P P P N A V L S I V 'N R V R O G Y S P L S F O T H L P T TIGGTGTACTTCTATAGTGAATAGAGTTAGGCAGGGATATTCACCATTATCGTTTCAGACCCACCTCCCAAC 7810 7820 7830 7840 7850 7860 7870

RETET DPF D * * T DP * H L S G T I C G A ERUPQIH SISERILS TYLG R S A E P R DR DR SIRLV NG SLALIW DDLR SL AGAGAGACAGACCGATCCATTAGTGAACGGATCCTTAGCACTTATCTGGGACGATCTGCGGAGCCT 7930 7940 7950 7960 7970 7930 7990

TRIVELLGRRGHEALKYHHNLLOY RGLHNFHDAGGGKPSNIGGISYSI EDCGTSGTOGVGSPOILVESPTVL ACGAGGATTGTGGAACTTCTGGGACGCAGGGAGCCCTCAAATATTGGTGGAATCTCCTACAGTATT BOSO 8060 8070 8080 8090 8100 3110

G W Q V V K K * C G W M A Y C K G K N E T S * A S G G K W S K S S V V G W P T V R E R M R R A E P V A S G Q K V V W L D G L L * G K E * D E L S G GGGTGGCAAGTGGTCAAAAAGTAGTGTGGTTGGATGGCCTACTGTAAGGGAAAGAATGAGAGGAGCTGAGCCAG 8290 8300 8310 3320 8330 8340 8350

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FIF 18 A K T H L H K C C A L G K ZLOMI COTOTO A V P W TIGGANAACTCATTIGCACCACTGCTGTGCCTTGGAATGCTAGTTGGAGTAATAAATCTC 7510 7520 7530 7540 7550

A + Y I P + L K N R K T S K K R M L N .T F L N + R I A .K P A R K E + A S L I H S L I E E S O N O O E K N E O E 7650 7630 7640 7660

C G I * K Y S * * * E A W * V * E * V V Y K N I H N D S R R L G R F K N S F W Y I K I F I M I V G G L V G L/R/I V F ~GTGGTATATAAAAATATTCATAATGATAGTAGGAGGCTTGGTAGGTTTAAGAATAGTTT 7780 7790 7750 7760 7770

> T 5 0 P 9 6 0 P T 6 P K E * K K V E PPPNPEGTROARRNRRWR HLPTPRGPDRPEGIEEEGGE CCACCTCCCAACCCGAGGGGACCCGACAGGCCCGAAGGAATAGAAGAAGAAGGTGGAG 7900 7910 7920 7990 7870 7830

I C G A L C L F S Y H R L R D L L L I V S A E P C A S S A T T A * E T Y S * L * L R S L V P L O L P P L E R L T L D C N TCTGCGGAGCCTTGTGCCTCTTCAGCTACCACCGCTTGAGAGACTTACTCTTGATTGTA 8020 8030 8010 7990 8000

LLOYMSOELKNSAVSLLNAT S Y S I G V R N * R I V L L A C S M P Q P T V L E S G T K E * C C * L A Q C H S TCCTACAGTATTGGAGTCAGGAACTAAAGAATAGTGCTGTTAGCTTGCTCAATGCCACA 8150 3140 8120 8130

L F A T Y L E E * D R A W K G F C Y K M Y S P H T * K N K T G L G K D F A I R W STATT CGCC AC ATACCTAG AAGAATAAGA CAGGGCTTGGAAAGGATTTTGCTATAAGAT 3260 8270 8280 8250 9230 8240

T S * A S S R N G G S S I S R P G K T N
R A E P A A D G V G A A S R D L E K H G
E L S D Q D * G W E O H L E T W K N M E GAGCTGAGCCAGCAGCAGATGGGGTGGGAGCAGCATETCGAGACCTGGAAAAACATGG 8390 ~ 8350 8360 8370 8390

G C G G G F S S H T S G T F K T N D L E E E E V G F P V T P C V P L R P M T Y Q R R B N V F 2 S H L R Y L + D Q + L T AGGAGGAGGAGG GGGTTTICC AGTÇACACCTCAGGTACCTTTA AGACCAATGACTTA 8510 8490 2500 - Mack UNR S/VOLPHIRLL

AAGCTTGCCT TGAGTGCTTC AAGTAGTGTG TGCCCGTCTG TTGTGTGACT CTGGTAACTA GAGATCCCTC AGACCCTTTT AGTCAGTGTG GAAAATCTCT AGCAGTGGCG CCCGAACAGG GACTTGAAAG CGAAAGGGAA ACCAGAGGAG CTCTCTCGAC GCAGGACTCG GCTTGCTGAA GCGCGCACGG CAAGAGGCGA GGGGAGGCGA CTGGTGAGTA CGCCAAAAAT TTTGACTAGC GGAGGCTAGA AGGAGAGAGA TGGGTGCGAG AGCGTCAGTA TTAAGCGGGG GAGAATTAGA TCGATCGGAA AAAATTCGGT TAAGGCCAGG GGGAAAGAAA AAATATAAAT TAAAACATAT AGTATGGGCA AGCAGGGAGC TAGAACGATT CGCTGTTAAT CCTGGCCTGT TAGAAACAIC AGAAGGCTGT AGACAAATAC TGGGACAGCT ACAACCATCC CTTCAGACAG GATCAGAAGA ACTTAGATCA TTATATAATA CAGTAGCAAC CCTCTATTGT GTGCATCAAA GGATAGAGA; AGCACAGCAA GCAGCAGCTG ACACAGGACA CAGCAGCCAG GTCAGCCAAA ATTACCCTAT AGTGCAGAAC ATCCAGGGGC AAATGGTACA TCAGGCCATA TCACCTAGAA CTTTAAATGC ATGGGTAAAA GTAGTAGAAG AGAAGGCTTT CAGCCCAGAA GTGATACCCA TGTTTTCAGC ATTATCAGAA GGAGCCACCC CACAAGATTT AAACACCATG CTAAACACAG TGGGGGGACA TCAAGCAGCC ATGCAAATGT TAAAAGAGAC CATCAATGAG GAAGCTGCAG AATGGGATAG AGTGCATCCA GTGCATGCAG GGCCTATTGC ACCAGGCCAG ATGAGAGAAC CAAGGGGAAG TGACATAGCA GGAACTACTA GTACCCTTCA GGAACAAATA GGATGGATGA CAAATAATCC

ACCTATCCCA GTAGGAGAA TITATAAAAG ATGGATAATC CTGGGATTAA ATAAAATAGT

AAJAATGTAI AGCCCTACCA GCATTCTGGA CATAAGACAA GGACCAAAAG AACCCTTTAG 1150 1160 1170 1130 1190 1200 AGACTATGTA GACCGGTTC ATAAAACTCT AAGAGCCGAG CAAGCTTCAC AGGAGGTAAA AAATTGGATG ACAGAAACCT TGTTGGTCCA AAATGCGAAC CCAGATTGTA AGACTATTTT AAAAGCATTG GGACCAGCAG CTACACTAGA AGAAATGATG ACAGCATGTC AGGGAGTGGG AGGACCCGGC CATAAGGCAA GAGTTTTGGC TGAAGCAATG AGCCAAGTAA CA'AATTCAGC TACCATAATG ATGCAAAGAG GCAATTITAG GAACCAAAGA AAGATTGTTA AGTGTTTCAA TTGTGGCAAA GAAGGGCACA TAGCCAGAAA TTGCAGGGCC CCTAGGAAAA AGGGCTGTTG GAAATGTGGA AAGGAAGGAC ACCAAATGAA AGATTGTACT GAGAGACAGG CTAATTTTT AGGGAAGATC TGGCCTTCCT ACAAGGGAAG GCCAGGGAAT TTTCTTCAGA GCAGACCAGA GCCAACAGCC CCACCAGAAG AGAGCTTCAG GTCTGGGGTA GAGACAACAA CTCCCTCTCA GAAGCAGGAG CCGATAGACA AGGAACTGTA TCCTTTAACT TCCCTCAGAT CACTCTTTGG CAACGACCCC TCGTCACAAT AAAGATAGGG GGGCAACTAA AGGAAGCTCT ATTAGATACA GGAGCAGATG ATACAGTATT AGAAGAAATG AGTTTGCCAG GAAGATGGAA ACCAAAAATG ATAGGGGGAA TTGGAGGTTT TATCAAAGTA AGACAGTATG ATCAGATACT CATAGAAATC TCTGGACATA AAGCTATAGG TACAGTATTA GTAGGACCTA CACCTGTCAA CATAATTGGA AGAAATCTGT TGACTCAGAT TGGTTGCACT TTAAATTTTC CCATTAGTCC TATTGAAACT .2060 GTACCAGTAA AATTAAAGCC AGGAATGGAT GGCCCAAAAG TTAAACAATG GCCATTGACA GAAGAAAAA TAAAAGCATT AGTAGAAATT TGTACAGAAA TGGAAAAGGA AGGGAAAATT TCAAAAATTG GGCCTGAAAA TCCATACAAT ACTCCAGTAT TTGCCATAAA GAAAAAAGAC AGTACTAAAT GGAGAAATT AGTAGATTIC AGAGAACTTA ATAAGAGAAC TCAAGACTTC TGGGAAGTTC AATTAGGAAT ACCACATCCC GCAGGGTTAA AAAAGAAAAA ATCAGTAACA

F1890

GIALTGONIN TUGGTGATGE ATATTTTCA GTTCCCTTAG ATGAAGACTT CAGGAAGTAT ACTGCATTTA CCATACCTAG TATAAACAAT GAGACAECAG GGATTAGATA TCAGTACAAT GTGCTTCCAC AGGGATGGAA AGGATCACCA GCAATATTCC AAAGTAGCAT GACAAAAATC TTAGAGCCTT TTAGAAAACA AAATCCAGAC ATAGTTATCT ATCAATACAT GGATGATTTG TATGTAGGAT CTGACTTAGA AATAGGGCAG CATAGAACAA AAATAGAGGA GCTGAGACAA CATCTGTTGA GGTGGGGACT TACCACACCA GACAAAAAAC ATCAGAAAGA ACCTCCATTC CTTTGGATGG GTTATGAACT CCATCCTGAT AAATGGACAG TACAGCCTAT AGTGCTGCCA GAAAAAGACA GCTGGACTGT CAATGACATA CAGAAGTTAG TGGGAAAATT GAATTGGGCA AGTCAGATTT ACCCAGGGAT TAAAGTAAGG CAATTATGTA AACTCCTTAG AGGAACCAAA GCACTAACAG AAGTAATACC ACTAACAGAA GAAGCAGAC TAGAACTGGC AGAAAACAGA GAGATTCTAA AAGAACCAGT ACATGGAGTG TATTATGACC CATCAAAAGA CTTAATAGCA GAAATACAGA AGCAGGGGCA AGGCCAATGG ACATATCAAA TTTATCAAGA GCCATTTAAA AATCTGAAAA CAGGAAAATA TGCAAGAACG AGGGGTGCCC ACACTAATGA TGTAAAACAA TTAACAGAGG CAGTGCAAAA AATAACCACA GAAAGCATAG TAATATGGGG AAAGACTCCT AAATTTAAAC TACCCATACA AAAGGAAACA TGGGAAACAT GGTGGACAGA GTATTGGCAA GCCACCTGGA TTCCTGAGTG GGAGTTTGTC AATACCCCTC CTTTAGTGAA ATTATGGTAC CAGTTAGAGA AAGAACCCAT AGTAGGAGCA GAAACGTTCT ATGTAGATGG GGCAGCTAGC AGGGAGACTA AATTAGGAAA AGCAGGATAT GTTACTAATA GAGGAAGACA AAAAGTTGTC ACCCTAACTG ACACAACAAA TCAGAAGACT GAGTTACAAG CAATTCATCT AGCTTTGCAG GATTCGGGAT TAGAAGTAAA: TATAGTAACA, GACTCACAAT ATGCATTAGG AATCATTCAA GCACAACCAG ATAAAAGTGA ATCAGAGTTA GTCAATCAAA TAATAGAGCA GTTAATAAAA

Kid 3

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ALGUADAS TOTATOTGGC ATGGGTACCA GCACACAAS GAATTGGAGG AAATGAACAA GTAGATAAAT TAGTCAGTGC TGGAATCAGG AAAGTACTAT TTTTAGATGG AATAGATAAG GCCCAAGATG AACATGAGAA ATATCACAGT AATTGGAGAG CAATGGCTAG TGATTTTAAC CTGCCACCTG TAGTAGCAAA AGAAATAGTA GCCAGCTGTG ATAAATGTGA GCTAAAAGGA GAAGCCATGC ATGGACAAGT AGACTGTAGT CCAGGAATAT GGCAACTAGA TTGTACACAT TTAGAAGGAA AAGTTATCCT GGTAGCAGTT CATGTAGCCA GTGGATATAT AGAAGCAGAA GTTATTCCAG CAGAAACAGG GCAGGAAACA GCATACTTTC TTTTAAAATT AGCAGGAAGA TGGCCAGTAA AAACAATACA TACAGACAAT GGCAGCAATT TCACCAGTAC TACGGTTAAG GCCGCCTGTT GGTGGGGGG AATCAAGCAG GAATTTGGAA TTCCCTACAA TCCCCAAAGT CAAGGAGTAG TAGAATCTAT GAATAAAGAA TTAAAGAAAA TTATAGGCCA GGTAAGAGAT CAGGCTGAAC ATCTTAAGAC AGCAGTACAA ATGGCAGTAT TCATCCACAA TTTTAAAAGA AAAGGGGGGA TTGGGGGGTA CAGTGCAGGG GAAAGAATAG TAGACATAAT AGCAACAGAC ATACAAACTA AAGAATTACA AAAACAAATT ACAAAAATTC AAAATTTTCG GGTTTATTAC AGGGACAGCA GAGATCCACT TTGGAAAGGA CCAGCAAAGC TCCTCTGGAA AGGTGAAGGG GCAGTAGTAA TACAAGATAA TAGTGACATA AAAGTAGTGC CAAGAAGAAA AGCAAAGATC ATTAGGGATT ATGGAAAACA GATGGCAGGT GATGATTGTG TGGCAAGTAG ACAGGATGAG GATTAGAACA TGGAAAAGTT TAGTAAAACA CCATATGTAT GTTTCAGGGA AAGCTAGGGG ATGGTTTTAT AGACATCACT ATGAAAGCCC TCATCCAAGA ATAAGTTCAG AAGTACACAT 4690 4700 4710 4720 4730 4740 CCCACTAGGG GATGCTAGAT TGGTAATAAC AACATATTGG GGTCTGCATA CAGGAGAAAG AGACTGGCAT CTGGGTCAGG GAGTCTCCAT AGAATGGAGG AAAAAGAGAT ATAGCACACA AGTAGACCCT GAACTAGCAG ACCAACTAAT TCATCTGTAT TACTTTGACT GTTTTTCAGA

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DB/177920 LICILITATA AGAAAGUEST TATTAGGACA TATAGTIAGS CSTAGGTGTG AATATCAAGS AGGACATAAC AAGGTAGGAT CTCTACAATA CTTGGCACTA GCAGCATTAA TAACACCAAA AAAGATAAAG CCACCTTTGC CTAGTGTTAC GAAACTGACA GAGGATAGAT GGAACAAGCC CCAGAAGACC AAGGGCCACA GAGGGAGCCA CACAATGAAT GGACACTAGA GCTTTTAGAG GAGCTTAAGA ATGAAGCTGT TAGACATTTT CCTAGGATTT GGCTCCATGG CTTAGGGCAA CATATCTATG AAACTTATGG GGATACTTGG GCAGGAGTGG AAGCCATAAT AAGAATTCTG CAACAACTGC TGTTTATCCA TTTCAGAATT GGGTGTCGAC ATAGCAGAAT AGGCGTTACT CAACAGAGGA GAGCAAGAAA TGGAGCCAGT AGATCCTAGA CTAGAGCCCT GGAAGCATCC AGGAAGTCAG CCTAAAACTG CTTGTACCAC TTGCTATTGT AAAAAGTGTT GCTTTCATTG CCAAGTTTGT TTCACAACAA AAGCCTTAGG CATCTCCTAT GGCAGGAAGA AGCGGAGACA GCGACGAAGA CCTCCTCAAG GCAGTCAGAC TCATCAAGTT TCTCTATCAA AGCAGTAAGT AGTACATGTA ATGCAACCTA TACAAATAGC AATAGCAGCA TTAGTAGTAG CAATAATAAT AGCAATAGTT GTGTGGTCCA TAGTAATCAT AGAATATAGG AAAATATTAA GACAAAGAAA AATAGACAGG TTAATTGATA GACTAATAGA AAGAGCAGAA GACAGTGGCA ATGAGAGTGA AGGAGAAATA TCAGCACTTG TGGAGATGGG GGTGGAAATG GGGCACCATG CTCCTTGGGA TATTGATGAT CTGTAGTGCT ACAGAAAAAT TGTGGGTCAC AGTCTATTAT GGGGTACCTG TGTGGAAGGA AGCAACCACC ACTCTATTTT GTGCATCAGA TGCTAAAGCA TATGATACAG AGGTACATAA TGTTTGGGCC ACACATGCCT GTGTACCCAC AGACCCCAAC CCACAAGAAG TAGTATTGGT ASATGTGACA GAAAATTTTA ACATGTGGAA AAATGACATG GTAGAACAGA TGCATGAGGA TATAATCAGT TTATGGGATC AAAGCCTAAA GCCATGTGTA AAATTAACCC CACTCTGTGT TAGTTTAAAG TGCACTGATT TGGGGAATGC TACTAATACC AATAGTAGTA ر ج

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ATACCAATAG TAG AGCGGG GAAATGATGA TGGAGAAAGG AGAGATAAAA AACTGCTCTT TCAATATCAG CACAAGCATA AGAGGTAAGG TGCAGAAAGA ATATGCATTT TTTTATAAAC TTGATATAAT ACCAATAGAT AATGATACTA CCAGCTATAC GTTGACAGT TGTAACACCT CAGTCATTAC ACAGGCCTGT CCAAAGGTAT CCTTTGAGCC AATTCCCATA CATTATTGTG CCCCGGCTGG TTTTGCGATT CTAAAATGTA ATAATAAGAC GTTCAATGGA ACAGGACCAT TGCTGTTGAA TGGCAGTCTA GCAGAAGAAG AGGTAGTAAT TAGATCTGCC AATTTCACAG ACAATGCTAA AACCATAATA GTACAGCTGA ACCAATCTGT AGAAATTAAT TGTACAAGAC CCAACAACAA TACAAGAAAA AGTATCCGTA TCCAGAGGGG ACCAGGGAGA GCATTTGTTA CAATAGGAAA AATAGGAAAT ATGAGACAAG CACATTGTAA CATTAGTAGA GCAAAATGCA ATGCCACTTT AAAACAGATA GCTAGCAAAT TAAGAGAACA ATTTGGAAAT AATAAAACAA 6790 6800 5310 6870 6830 6840
TAATCTITAA GCAATCCTCA GGAGGGGACC CAGAAATTGT AACGCACAGT TTTAATTGTG GAGGGGAATT TITCTACTGT AATTCAACAC AACTGTTTAA TAGTACTTGG TTTAATAGTA CTTGGAGTAC TGAAGGGTCA AATAACACTG AAGGAAGTGA CACAATCACA CTCCCATGCA GAATAAAACA ATTTATAAAC ATGTGGCAGG AAGTAGGAAA AGCAATGTAT GCCCCTCCCA TCAGCGGACA AATTAGATGT TCATCAAATA TTACAGGGCT GCTATTAACA AGAGATGGTG GTAATAACAA CAATGGGTCC GAGATCTTCA GACCTGGAGG AGGAGATATG AGGGACAATT GGAGAAGTGA ATTATATAAA TATAAAGTAG TAAAAATTGA ACCATTAGGA GTAGCACCCA CCAAGGCAAA GAGAAGAGTG GTGCAGAGAG AAAAAAGAGC AGTGGGAATA GGAGCTTTGT TCCTTGGGTT CTTGGGAGCA GCAGGAAGCA CTATGGGCGC ACGGTCAATG ACGCTGACGG TACAGGCCAG ACAATTATTG TCTGGTATAG TGCAGCAGCA GAACAATTTG CTGAGGGCTA W

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•	TTGAGGCGCA	ACAGCATOTG	TTGCAACTCA	CASTCTGGGG	CATCAAGCAG	CTCCAGGCAA
	7450	7460	7470	7430	7490	75.00
	GAATCCTGGC	TGTGGAAAGA	TACCTAAAGG	ATCAACAGCT	CCTGGGGATT	TGGGGTTGCT
	7510	7520	7530	7540	7550	7560
	CTGGAAAACT	CATTTGCACC	ACTGCTGTGC	CTTGGAATGC	TAGTTGGAGT	AATAAATCTC
	7570	7580	7500	34.00	7410	2422
	TOGAACAGAT	TTGGAATAAC	ATGACCTGGA	TGCAGTGGGA	CAGAGAAATT	7620
	7630	7640	7650	7560	7.670	7680
	CAAGCTTAAT	ACATTCCTTA	ATTGAAGAAT	CGCAAAACCA	GCAAGAAAAG	AATGAACAAG
	7/00	7700	7710		2226	77.0
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	7810	7820	7830	7840	7350	7860
	TISCIGIACT	TTCTATAGTG	AATAGAGTTA	GGCAGGGATA	TICACCATIA	TEGTTTEAGA
	7870	7330	7870	7300	7910	7920
		AACCCCGAGG				
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	7930	7940	7950	7960	7970	7980
	AGAGAGACAG	AGACAGATCC	ATTCGATTAG	TGAACGGATC	CTTAGCACTT	ATCTGGGACG
	2440	8900	8010	8020	8030	8040
	ATCTGCGGAG	CCTTGTGCCT	CTTCAGCTAC	CACCGCTTGA	GAGACTTACT	CTTGATTGTA
					-	
	3050	8060	8070	9080	9090	8100
	ACGAGGATTG	TGGAACTTCT	GGGACGCAGG	GGGTGGGAAG	CCCTCAAATA	TIGGIGGAAT
	2110	8120	9130	2140	9150	8160
	CTCCTACAGT	ATTGGAGTCA	CCAACTAAAG	AATAGTGCTG	TTAGCTTGCT	CAATGCCACA
				*		
	8170	8180	3190	8200	8210	8220
	GCCATAGCAG	TAGCTGAGGG	GACAGATAGG	GTTATAGAAG	TAGTACAAGG	AGCTTGTAGA
	4220	: 8240	2250	. 8340	8270	2280
	CCTATTCCCC	ACATACCTAG	AAGAATAAGA	CAGGGCTTGG	AAAGGATTTT	GCTATAAGAT
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	8290	8300	8310	8320	8330	8340
	GGGTGGCAAG.	TGGTCAAAAA	GTAGTGTGGT	TGGATGGCCT	ACTGTAAGGG	AAAGAATGAG
			8370	0300	9300	8400
	8350	8360 CCAGCAGCAG	ATCCCCTCC	ACCACCATCT	CGAGACCTGG	AAAAACATGG
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	3410	8420	8430	8440	8450	8460
	AGCAATCACA	AGTAGCAATA	CAGCAGCTAC	CAATGCTGCT	TGTGCCTGGC	TAGAAGCACA
			2122	0500	9610	9520
	8470		8470			
	AGAGGAGGAG	GAGGTGGGTT	TICCACICAC	ACCICACGIA	CCITIMAUAC	CARIGACTIA
	8530	8540	8550	8560	8570	8580
		GTAGATCTTA	GCCACTTTTT			
	8590	8500	8610	8620	8630	8640
	TCACTCCCAA	CGAAGACAAG	ATATECTTGA	TETGTGGATC	IACCACACAC	AAGGCIACII
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CCCTUATING CAGAACTACA CACCAGGGCC AGGGGTCAGA TATCCACTGA CCTTTGGATG GTGCTACAAG CTAGTACCAG FTGAGCCAGA TAAGGTAGAA GAGGCCAATA AAGGAGAGAA CACCAGCTTG TTACACCCTG TGAGCCTGCA TGGAATGGAT GACCCTGAGA GAGAAGTGTT AGAGTGGAGG TTTGACAGCC GCCTAGCATT TCATCACGTG GCCCGAGAGC TGCATCCGGA GTACTTCAAG AACTGCTGAC ATCGAGCTTG CTACAAGGGA CTTTCCGCTG GGGACTTTCC 8990 . AGGGAGGCGT GGCCTGGGCG GAACTGGGGGA GTGGCGAGCC CTCAGATGCT GCATATAAGC AGCTGCTTTT TGCCTGTACT GGGTCTCTCT GGTTAGACCA GATTTGAGCC TGGGAGCTCT CTGGCTAACT AGGGAACCCA CTGCTTAAGC CTCAATAAAG CTT

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